

# ALGEBRA 2

Thurs., Jan. 19/Fri., Jan. 20

Sec. 6.1 pp. 300-302  
9-17 odd (Do not graph), 19-24, 37, 39, 40, 45

Exponential Functions Handout 1-6

Mon., Jan. 23/Tues., Jan. 24

Exponential Functions Handout 7-10

Sec. 6.2 pp. 307-308  
5, 7, 9, 11, 41

Sec. 6.3 pp. 314-316  
5, 10, 14, 15, 17-22, 33, 34, 35, 37, 40, 53a, 54a

Graphing Logs Handout

Wed., Jan. 25/Thurs., Jan. 26

Solving Logarithmic Equations Handout

**NO HOMEWORK  
COUPONS**

Fri., Jan. 27/Mon., Jan. 30

Applications of Logarithms Handout

Power, Exponential & Logarithmic Regression Handout

Tues., Jan. 31/Wed., Feb. 1

Review Exponential & Logarithmic Functions

Start Regression Project

*Journal  
Due*

Thurs., Feb. 2/Fri., Feb. 3

**EXPONENTIAL &  
LOGARITHMIC  
FUNCTIONS TEST**

## ANSWERS

### Sec. 6.1 pp. 300-302

20.  $b = 5$

22. a) exponential growth

b) 3% increase

c) about 6 years after the start of the decade

24. a)  $y = 325(0.71)^t$

b) about 3.4 h

40.  $A \approx \$259.54$

### Sec. 6.2 pp. 307-308

24. A; shows decay and has a y-intercept of 1

26. C; the graph shows growth and has a y-intercept of 0.75

### Sec. 6.3 pp. 314-316

10.  $3^{-1} = \frac{1}{3}$

14.  $\log_5 \frac{1}{25} = -2$

18. 2

20. 0

22. -3

24. -3

34. a) 8 b) 3

40.  $x + 1$

54a. 9